TAKO Release 1 Development Schedule

Software Completion Date: 12/15/04 For GSSC Release 2 (1/15/05)

Release 1 functions needed for GRT #1 and GRT #2
(Map to TAKO and GSSC requirements)
Create a science activity timeline

Issues:
Format of science activity timeline has not been determined (s/c command versus activity)

Tasks
1. Create GLAST version of TAKO based on Swift
   a. Add tag settings for GLAST

2. Add S/C ephemeris from TLE for GLAST version
   a. This is necessary for long term schedule.

3. Design the GLAST target database
   a. This is separate from the proposal database.
   b. Add entries for survey mode
   c. Modify observation record definition

4. Implement GLAST target database
   a. Modify or replace targetDBeditor.tcl and targetDButil.tcl

5. Modify obsLoadSave.tcl to output Science Activity Timeline. (see issue)

6. Design and modify scheduler
   a. To schedule survey mode observations.
   b. To consider effective FOV when determining if a target is in-view of the LAT (e.g, within X degrees of boresight (Z+ axis))

7. Update User Guide

8. TAKO Test Plans

9. TAKO Module Testing and Scenario Testing

TAKO Release 2 functions
Software Completion Date: 7/1/05 For GSSC Release 4 (8/1/05)

Add scheduling constraints.
Add scheduling algorithms (e.g., early, middle, late)
Slew modeling

Off-axis pointing (annulus)
Proposal Database Interface
Pseudo-target